

SPECIAL PAPERS ON GENERAL METEOROLOGY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Abbot, C. G., & Fowle, F. E.

Volcanoes and climate. Washington. 1913. 24 p. 8°. (Smithsonian miscellaneous collections, v. 60, no. 29.)

Algué, José.

The barocyclometer for use in the North Atlantic. Manila. 1913. 12 p. illus. 4°. (Philippine Islands. Weather bureau. [Publ.].)

Bavaria. Hydrotechnisches Bureau.

Jahrbuch für das Jahr 1911. 13. Jahrgang, Hft. 2: Schneehöhenmessungen. München. [1913.] 94 p. f°.

Bergedorf. Hamburger Sternwarte.

Meteorologische Beobachtungen, 1910–1912. Hamburg. 1913. 2 v. 4°.

Berry, A. J.

The atmosphere. Cambridge. 1913. 146 p. 16°.

Coburg. Verein für Wetterkunde.

30. Jahresbericht, 1912. [Coburg. 1913.] 18 p. 8°.

Colombo. Observatory.

Report on the Colombo observatory, 1911–1912, and the meteorology of Ceylon, 1911. [Colombo. 1912.] (10), N52 p. f°.

Day, P. C.

The winds of the United States and their economic uses. Washington. 1912. illus. 8°. (Reprint: U. S. Department of agriculture. Yearbook, 1911, p. 337–350.)

Dines, J. S.

Third report on wind structure. London. 1912. illus. 8°. (Gt. Brit. Advisory com. for aeronautics. Technical report, 1911–12, p. 213–230.)

Fessler, A.

Klimatographie von Salzburg. Wien. 1912. lxi, 288 p. 4°. (Austria-Hungary. Zentralanstalt f. Meteorologie, etc. Klimatographie von Oesterreich, V.)

Finland. Hydrografiska byrån.

Årsbok, 1. Åren, 1910–1911. [Swedish text; title page and table of contents in Swedish and in German.] Helsingfors. 1912. vii, 115 p. 21 pl. 8°.

Götz, J.

Die Niederschlagsverhältnisse zwischen Bodensee und Donau. Stuttgart. 1912. [48] p. 16 pl. 8°.

Hamburg. Deutsche Seewarte.

35. Jahresbericht über die Tätigkeit, für das Jahr 1912. Hamburg. 1913. [iv], 37 p. 4°.

Hesse. Hydrographisches Bureau.

Niederschlagsbeobachtungen, für das Jahr 1912. 12. Jahrgang. Darmstadt. 1912. 51 p. f°.

Hutchison, D. L.

The Saxby gale [Oct. 4, 1869]. (In Canadian institute. Transactions. Toronto. November, 1912. v. 9, pt. 3, p. 253–259.)

Italy. Ufficio centrale meteorologico e geodinamico.

Annali. Serie 2a. Vol. 22, pt. 3, 1900. Osservazioni delle stazioni termo-udometriche. Roma. 1912. 120 p. f°.

Annali. Serie 2a. Vol. 31, pt. 1, 1909. (Memorie.) Roma. 1912. var. pag. 33 plates. f°.

Annali. Serie 2a. Vol. 32, pt. 1, 1910. (Memorie.) Roma. 1912. var. pag. plates. f°.

Jersey. Observatoire Saint Louis.

Bulletin des observations météorologiques, 19me année, 1912. Saint Hélier. 1913. 15 l. 4°.

Kellogg, E. W.

The use of metal conductors to protect buildings from lightning. Columbia, Mo. 1912. 55 p. 8°. (University of Missouri. Bull. no. 7.)

Lloyd's. Secretary.

Annual report, on the working of the commercial signal station at Cape Spartel [for 1912]. n. t. p. 7 p. 8°. [Table F presents meteorological observations taken at the station during 1912.]

Loisel, Julien.

Atlas photographique des nuages. [2d ed.] Paris. [1912.] 4 l. 10 pl. f°.

Prussia. K. Preussisches meteorologisches Institut.

Deutsches meteorologisches Jahrbuch für 1909; Preussen und übrige norddeutschen Staaten. Berlin. 1913. xvi, 185 p. 1 pl. f°. (Veröffentlichungen, No. 255.)

Rijckeversel, [Elie] van.

Konstant auftretende secundäre Maxima und Minima in dem jährlichen Verlauf der meteorologischen Erscheinungen, 8. Abtheilung. Rotterdam. 1913. 22 p. f°.

Rudel, [Kaspar].

Das Wetter zu Nürnberg im Jahre 1912. Nürnberg. 1913. 37 p. 8°.

Sager, George V.

Winds of South Dakota. (In Pahasapa quarterly. Rapid City, S. Dak. April, 1913. v. 2, no. 3, p. 8–13.)

Smith, Rupert Turberville.

Weather bound. [Birmingham. 1912.] 320 p. 4°. [Presents and discusses climatological records at Tettenhall, Staffordshire, and elsewhere in England.]

Stok, J. P. van der.

On the angle of deviation between gradient of atmospheric pressure and air motion. [Amsterdam.] 1912. 11 p. 4°. (K. Akademie van wetenschappen. Reprinted from proceedings of meeting, Feb. 24, 1912.)

Over de interdiurne verandering der luchttemperatur. [Amsterdam.] 1912. 5 p. 4°. (K. Akademie van wetenschappen. Overgedrag uit: Verslag van de gewone vergadering der Wijsen natuukundige: afdeeling van October 1912.)

Stok, J. P. van der, & Gallé, P. H.

The relation between changes of the weather and local phenomena. [Amsterdam.] 1912. 10 p. 4°. (K. Akademie van wetenschappen. Reprinted from proceedings of meeting, February 24, 1912.)

Stonyhurst college observatory.

Results of meteorological, magnetical, and seismological observations, 1912. Liverpool. 1913. xv, 60 p. 12°.

Upsala. K. Universitet. Meteorologiske observatorium.

Bulletin mensuel, vol. 44, année 1912. Upsala. 1913. 74 p. f°.

Webber, Bertram C.

Canadian weather forecasting. An addendum to "Gales from the Great Lakes to the maritime provinces," covering the years 1905–1912, both inclusive. Ottawa. 1913. 29 p. 8°. (Canada. Meteorological service. [Publ.].)

RECENT PAPERS BEARING ON METEOROLOGY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American historical review. New York. v. 18. January, 1913.

Huntington, Ellsworth. Changes of climate and history. p. 213–232.

Colliery engineer. Scranton, Pa. v. 33. April, 1913.

Barometric pressure and mine gases. p. 477–478.

Creighton chronicle. Omaha. v. 4. April 20, 1913.

Rigge, William F. The Omaha tornado. p. 417–423.

Engineering news. New York. v. 69. April 10, 1913.

Cushman, J. A. Rates of rainfall for storm-sewer calculations. p. 704–705.

Fisher, E. A. The flood at Rochester, N. Y. p. 741–742.

Great Britain. Meteorological office. Monthly meteorological chart of the Indian Ocean. London. January, 1913.

Corposants or St. Elmo's fires.

International institute of agriculture. Bureau of agricultural intelligence and of plant diseases. Monthly bulletin. Rome. 4th year. March, 1913.

Palazzo, Luigi. The present organization of the meteorological service in Italy. p. 342–347.

Kyoto imperial university. College of science and engineering. Memoirs. v. 4, no. 1. November, 1912.

Shida, Toshi. Note on the atmospheric tide. p. 177–186.

London. Edinburgh and Dublin philosophical magazine. London. 6th ser. v. 25. April, 1913.

Rudge, W. A. Douglas. On the electrification associated with

dust-clouds. p. 481–494.